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APR 19 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jeffrey L. Viola
Application No.: 10/816,423
Filing Date: April 1, 2004
Title: DIGITAL SIGNAL
CONDITIONING
SOLUTION FOR A
MAGNETOMETER
CIRCUIT

Examiner: Kenneth Whittington
Art Unit: 2862
Attorney Docket No: 10541-1930

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. 1.111

In response to the Office Action mailed January 19, 2006, Applicant respectfully submits this paper comprising the following parts:

I.	Amendments to the Claims	Page 2
II.	Amendments to the Abstract	Page 9
III..	Remarks	Page 10

Applicant notes that the Transmittal to which this paper is attached includes a Certificate of Facsimile under 37 C.F.R §1.8; and a fee statement calculating any fee(s) presently due in connection with the filing of this paper, along with an authorization to charge any fee deficiency to Deposit Account No. 08-1500.

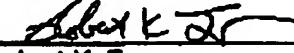
Appn. No. 10/816,423

Attorney Docket No. 10541-1930

record and that this application is now in condition for allowance. Such action is respectfully requested.

Respectfully submitted by,

Dated: April 19, 2006



Robert K. Fergan
Reg. No.: 51,674
Attorney for Applicant(s)

BRINKS HOFER GILSON & LIONE
P.O. Box 10395
Chicago, IL 60610
(734) 302-6000



BRINKS HOFER GILSON & LIONE
PO Box 10395
Chicago, IL 60610

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APR 19 2006

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence, totaling 13 pages including related attachments, is being facsimile transmitted to the United States Patent and Trademark Office at facsimile no.: 571-273-8300 (Central number) on the below date:

Date: April 19, 2006 Name: Terry Ward Signature: 

**BRINKS
HOFER
GILSON
& LIONE**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appn. of: Jeffrey L. Viola

Appn. No.: 10/818,423

Filed: April 1, 2004

For: DIGITAL SIGNAL CONDITIONING
SOLUTION FOR A MAGNETOMETER
CIRCUIT

Attorney Docket No: 10541-1930

Examiner: Kenneth Whittington

Art Unit: 2862

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

Reply Under 37 CFR 1.111
 Return Receipt Postcard

Fee calculation:

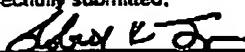
No additional fee is required.
 Small Entity.
 An extension fee in an amount of \$____ for a ____-month extension of time under 37 C.F.R. § 1.138(a).
 A petition or processing fee in an amount of \$____ under 37 C.F.R. § 1.17(____).
 An additional filing fee has been calculated as shown below.

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Small Entity		Not a Small Entity		
					Rate	Add'l Fee	or	Rate	
Total		Minus			x \$25=			x \$50=	
Indep.		Minus			x 100=			x \$200=	
First Presentation of Multiple Dep. Claim					+\$180=			+ \$360=	
					Total	\$		Total	\$

Fee payment:

A check in the amount of \$____ is enclosed.
 Please charge Deposit Account No. 08-1500 in the amount of \$____. A copy of this Transmittal is enclosed for this purpose.
 Payment by credit card in the amount of \$____ (Form PTO-2038 is attached).
 The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 08-1500.

Respectfully submitted,


 Robert K. Fergan (Reg. No. 51,574)
April 19, 2006
Date

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 10-816 923
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CLAIMS AS FILED - PART I

(Column 1) (Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	30 minus 20 =	
INDEPENDENT CLAIMS (37 CFR 1.16(b))	2 minus 3 =	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

SMALL ENTITY

OR

RATE	FEES
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL	

OTHER THAN SMALL ENTITY

RATE	FEES
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

CLAIMS AS AMENDED - PART II*4.19.06*

(Column 1)

(Column 2) (Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))	24	Minus	" 30	=
Independent (37 CFR 1.16(b))	4	Minus	*** 2	= 1
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

SMALL ENTITY

OR

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ 300 =	200.00
+ \$ ____ =	
TOTAL ADD'L FEE	

Pd.

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))	*	Minus	" "	=
Independent (37 CFR 1.16(b))	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL ADD'L FEE	

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))	*	Minus	" "	=
Independent (37 CFR 1.16(b))	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20"

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.